

WHAT IS CLAIMED IS:

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51- 1. An image processing apparatus comprising:  
input means for inputting image data;  
coding means for compressing and coding the input image data;  
recording means for recording on a recording medium the compressed and coded image data;  
decoding means for decoding the compressed and coded image data before said recording means records the compressed and coded image data on the recording medium; and  
display means for displaying the decoded image data.

2. The apparatus according to claim 1, wherein said display means selectively displays the input image data and the decoded image data.

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51- 3. The apparatus according to claim 1, wherein said display means displays the input image data and the decoded image data at the same time.

4. The apparatus according to claim 1, wherein said decoding means further decodes the recorded image data.

5. The apparatus according to claim 1, wherein said

coding means codes the input image data by selectively using one of a plurality of types of compression and coding methods.

6. The apparatus according to claim 5, wherein said plurality of types of compression and coding methods include at least a JPEG method.

7. The apparatus according to claim 5, wherein said plurality of types of compression and coding methods include at least an MPEG method.

8. The apparatus according to claim 1, wherein said coding means has a plurality of image-quality modes having differing rates of codes supplied for one screen.

9. The apparatus according to claim 1, wherein said input means comprises image pickup means for generating the input image data from a captured image.

10. The apparatus according to claim 9, wherein the input image data is still image data.

11. The apparatus according to claim 10, further comprising instruction means for dictating a photographing

timing of said image pickup means, wherein said display means displays the decoded image data in response to an output of said instruction means.

12. An image processing apparatus comprising:

input means for inputting image data;

coding means for compressing and coding the input image data;

decoding means for decoding the compressed and coded image data; and

display means for displaying difference image data between the input image data and the decoded image data.

13. The apparatus according to claim 12, wherein said input means comprises image pickup means for generating the input image data from a captured image.

14. The apparatus according to claim 13, further comprising recording means for recording on a recording medium the compressed and coded image data.

15. The apparatus according to claim 14, wherein said coding means codes the input image data by selectively using one of a plurality of types of compression and coding methods.

16. The apparatus according to claim 14, wherein said coding means has a plurality of image-quality modes having differing rates of codes supplied for one screen.

17. The apparatus according to claim 14, wherein the input image data is still image data.

18. An image processing method comprising the steps of:  
inputting image data;  
compressing and coding the input image data;  
recording on a recording medium the compressed and coded image data;  
decoding the compressed and coded image data before the image data is recorded in said recording step; and  
displaying the decoded image data.

19. An image processing method, comprising the steps of:  
inputting image data;  
compressing and coding input image data;  
decoding the compressed and coded image data; and  
displaying difference image data between said input image data and said decoded image data.

20. A computer-readable medium embodying processor-executable instructions for image processing steps, comprising:

an input step for inputting image data;

a coding step for coding the input image data;

a recording step for recording on a recording medium the compressed and coded image data;

a decoding step for decoding the compressed and coded image data before the compressed and coded image data is recorded in the recording step; and

a display step for displaying on display means the decoded image data.

21. A computer-readable medium embodying processor-executable instructions for image processing steps, comprising:

an input step for inputting image data;

a coding step for coding the input image data;

a decoding step for decoding the compressed and coded image data; and

a display step for displaying on display means difference image data between the input image data and the decoded image data.

22. An image processing apparatus comprising:

an image pickup mechanism for generating input image data from a captured image;

a compression/decompression circuit for compressing and coding the input image data and for decoding the compressed and coded image data;

a recording interface for recording on a recording medium the compressed and coded image data;

a display for displaying the decoded image data; and  
a control circuit for controlling said compression/decompression circuit to decode the compressed and coded image data before the compressed and coded image data is recorded via said recording interface.

23. The apparatus according to claim 22, wherein said control circuit controls said display to selectively display the input image data and the decoded image data.

24. The apparatus according to claim 22, wherein said compression/decompression circuit codes the input image data by selectively using one of a plurality of types of compression and coding methods.

25. The apparatus according to claim 22, further comprising a switch for dictating a photographing timing of said image pickup mechanism, wherein said control controls

said display to display the decoded image data in response to an actuation of said switch.

26. An image processing apparatus comprising:  
an image pickup mechanism for generating input image data from a captured image;  
a compression/decompression circuit for compressing and coding the input image data and for decoding the compressed and coded image data; and  
a display for displaying difference image data between the input image data and the decoded image data.

27. The apparatus according to claim 26, further comprising a recording interface for recording on a recording medium the compressed and coded image data.

28. The apparatus according to claim 26, wherein said compression/decompression circuit codes the input image data by selectively using one of a plurality of types of compression and coding methods.